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RPTO/SB/21 (08-00)

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number 10/549,545

Filing Date May 26, 2006

First Named Inventor Matteucci

Group Art Unit 1626

Examiner Name Unassigned

Total Number of Pages in This Submission

7

Attorney Docket Number 021305-003900US

ENCLOSURES (check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☐ Amendment / Response

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☒ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/
Incomplete Application

☐ Response to Missing
Parts under 37 CFR
1.52 or 1.53

☐ Assignment Papers
(for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition Routing Slip (PTO/SB/69)
and Accompanying Petition

☐ Petition to Convert to a
Provisional Application

☐ Power of Attorney, Revocation
Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s)

☐ After Allowance Communication to
Group

☐ Appeal Communication to Board of
Appeals and Interferences

☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s)
(please identify below):

1) Return receipt postcard

2) Twenty-Nine (29) references

Remarks

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm
and
Individual name

Townsend and Townsend and Crew LLP

Randolph Ted Apple

Reg No. 36,429

Signature

Date

November 16, 2006

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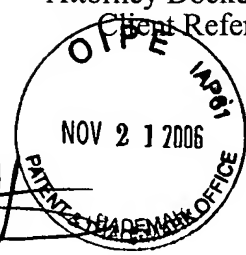
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11/17/06

TOWNSEND and TOWNSEND and CREW LLP

By: _____

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PATENT
Attorney Docket No.: 021305-003900US
Client Reference No.: 006-033-US14

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Mark MATTEUCCI et al.

Application No.: 10/549,545

Filed: May 26, 2006

For: COMPOSITIONS AND METHODS
FOR TREATING CANCER

Confirmation No.: 1659

Examiner: Unassigned

Art Unit: 1626

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on the attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 37 CFR §1.98(a)(2)] are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant

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Applicant believes that no fee is required for submission of this statement.

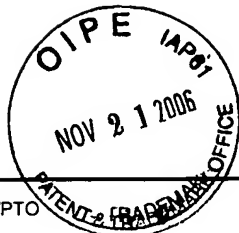
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Respectfully submitted,



Randolph Ted Apple
Reg. No. 36,429

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60917705 v1



PTO/SB/08A (07-06)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/549,545
Filing Date	May 26, 2006
First Named Inventor	Matteucci, Mark
Art Unit	1626
Examiner Name	Unassigned
Attorney Docket Number	021305-003900US

Sheet	2	of	4
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	BB	DE	2229223		02-15-1973			<input type="checkbox"/>
	BC	EP	648 503	A1	04-19-1995			<input type="checkbox"/>
	BD	WO	04/85421	A2	10-07-2004			<input type="checkbox"/>
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	BF	WO	02/96910	A1	12-05-2002			<input type="checkbox"/>
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60917705



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/549,545
				Filing Date	May 26, 2006
				First Named Inventor	Matteucci, Mark
				Art Unit	1626
				Examiner Name	Unassigned
Sheet	3	of	4	Attorney Docket Number	021305-003900US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	BH	BERRY et al., "5-Nitrofuranyl-methyl group as a potential bioreductively activated pro-drug system," <u>J. Chem. Soc. Perkin Trans.</u> , 1:1147-1156 (1997).	<input type="checkbox"/>	
	BI	BORCH et al., "Synthesis and Evaluation of Nitroheterocyclic Phosphoramidates as Hypoxia-Selective Alkylating Agents," <u>J. Med. Chem.</u> , 43:2258-2265 (2000).	<input type="checkbox"/>	
	BJ	BORCH et al., "Antitumor Activity and Toxicity of Novel Nitroheterocyclic Phosphoramidates," <u>J. Med. Chem.</u> , 44:74-77 (2001).	<input type="checkbox"/>	
	BK	DE GROOT et al., "Anticancer Prodrugs for Application in Monotherapy: Targeting Hypoxia, Tumor-Associated Enzymes, and Receptors," <u>Current Medical Chemistry</u> , 8:1093-1122 (2001).	<input type="checkbox"/>	
	BL	DE JAEGER et al., "Relationship of hypoxia to metastatic ability in rodent tumours," <u>Br. J. Cancer</u> , 84(9):1280-1285 (2001).	<input type="checkbox"/>	
	BM	ENGLE et al., " ³¹ P NMR Kinetic Studies of the Intra- and Intermolecular Alkylation Chemistry of Phosphoramidate Mustard and Cognate N-Phosphorylated Derivatives of N,N-Bis(2-chlorethyl)amine ^{1,2} ," <u>J. Med. Chem.</u> , 25:1347-1357 (1982).	<input type="checkbox"/>	
	BN	EVERETT et al., "Modifying rates of reductive elimination of leaving groups from indolequinone prodrugs: a key factor in controlling hypoxia-selective drug release," <u>Biochemical Pharmacology</u> , 63:1629-1639 (2002).	<input type="checkbox"/>	
	BO	EVERETT et al., "Bioreductively-Activated Prodrugs for Targeting Hypoxic Tissues: Elimination of Aspirin from 2-Nitroimidazole Derivatives," <u>Bioorganic Med. & Chem. Ltrs.</u> , 9:1267-1272 (1999).	<input type="checkbox"/>	
	BP	HAY et al., "A 2-Nitroimidazole Carbamate Prodrug of 5-Amino-1-(Chloromethyl)-3-[(5,6,7-Trimethoxyindol-2-yl)Carbonyl]-1,2-Dihydro-3H-Benz[E]Indole (Amino-Seco- CBI-TMI) for Use With Adept and Gdept," <u>Bioorganic Med. & Chem. Ltrs.</u> , 9:2237-2242 (1999).	<input type="checkbox"/>	
	BQ	HAY et al., "Structure-Activity Relationships of 1,2,4-Benzotriazine 1,4-Dioxides as Hypoxia-Selective Analogues of Tirapazamine," <u>J. Med. Chem.</u> , 46:169-182 (2003).	<input type="checkbox"/>	
	BR	HERNICK et al., "Design, Synthesis, and Biological Evaluation of Indolequinone Phosphoramidate Prodrugs Targeted to DT-diaphorase," <u>J. Med. Chem.</u> , 45:3540-3548 (2002).	<input type="checkbox"/>	
	BS	HERNICK et al., "Studies on the Mechanisms of Activation of Indolequinone Phosphoramidate Prodrugs," <u>J. Med. Chem.</u> , 46:148-154 (2003).	<input type="checkbox"/>	
Examiner Signature				Date Considered

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/549,545
Filing Date	May 26, 2006
First Named Inventor	Matteucci, Mark
Art Unit	1626
Examiner Name	Unassigned
Attorney Docket Number	021305-003900US

Sheet 4 of 4

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BT	KYLE et al., "Direct Assessment of Drug Penetration into Tissue Using a Novel Application of Three-Dimensional Cell Culture," <u>Cancer Research</u> , 64:6304-6309 (2004).	<input type="checkbox"/>
	BU	LIN et al., "(o- and p- Nitrobenzyloxycarbonyl) -5-fluorouracil Derivatives as Potential Conjugated Bioreductive Alkylating Agents," <u>J. Med. Chem.</u> , 29:84-89 (1986).	<input type="checkbox"/>
	BV	NAYLOR et al., "Recent Advances in Bioreductive Drug Targeting," <u>Mini Reviews in Med. Chem.</u> , 1:17-29 (2001).	<input type="checkbox"/>
	BW	PAPOT et al., "Design of Selectively Activated Anticancer Prodrugs: Elimination and Cyclization Strategies," <u>Curr. Med. Chem. - Anti-Cancer Agents</u> , 2:155-185 (2002).	<input type="checkbox"/>
	BX	PARVEEN et al., "2-Nitroimidazol-5-Ylmethyl as a Potential Bioreductively Activated Prodrug System: Reductively Triggered Release of the Parp Inhibitor 5-Bromoisoquinolinone," <u>Bioorganic Med. & Chem. Ltrs.</u> , 9:2031-2036 (1999).	<input type="checkbox"/>
	BY	ROFSTAD et al., "Hypoxia-induced metastasis of human melanoma cells: involvement of vascular endothelial growth factor-mediated angiogenesis," <u>Br. J. Cancer</u> , 80(11):1697-1707 (1999).	<input type="checkbox"/>
	BZ	ROSEN et al., "Phase 1 Study of TLK286 (Telcyta) Administered Weekly in Advanced Malignancies," <u>Clin. Cancer Res.</u> , 10:3689-3698 (2004).	<input type="checkbox"/>
	CA	STEINBERG et al., "Synthesis and Evaluation of Pteric Acid-Conjugated Nitroheterocyclic Phosphoramidates as Folate Receptor - Targeted Alkylating Agents," <u>J. Med. Chem.</u> , 44:69-73 (2001).	<input type="checkbox"/>
	CB	WAKSELMAN, M., "1,4- and 1,6- Eliminations from Hydroxy- and Amino-Substituted Benzyl Systems: Chemical and Biochemical Applications," <u>Nouv. J. Chim.</u> , 7(7):439-447 (1983).	<input type="checkbox"/>
	CC	WEST et al., "A comparison of adriamycin and mAMSA, II. Studies with V79 and human tumour multicellular spheroids," <u>Cancer Chemother. Pharmacol.</u> , 20:109-114 (1987).	<input type="checkbox"/>
	CD	WORKMAN et al., "The experimental development of bioreductive drugs and their role in cancer therapy," <u>Cancer and Metastasis Rev.</u> , 12:73-82 (1993).	<input type="checkbox"/>

Examiner Signature		Date Considered	
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